

PANEL: A (EXISTING)														
PROJECT: KAHILI HVAC REFURBISHMENT														
VOLTAGE: 208 / 120 V 1 PH 3 WIRE AMPERE RATING: 225A WITH M.L.O. MOUNTING: FLUSH														
BASIS OF DESIGN PANEL TYPE: UNKNOWN NEMA ENCLOSURE TYPE: 1 PANEL AIC RATING: 10000 AIC														
REMARKS: FIELD VERIFY THAT BREAKER AIC RATINGS ARE HIGHER THAN FAULT CURRENT SHOWN ON SINGLE LINE. BREAKERS MAY NEED TO BE REPLACED.														
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	A	LOAD (VA)	C	AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT
1	RECEPTS - CHAPEL, FOYER, 1 & 2	1	0.0	0.0	20	1	0		50	2	0.0	1	SPARE	2
3	LIGHTING - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	SPARE	4
5	LIGHTING - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	LIGHTING - CHAPEL SPOTS	6
7	LIGHTING - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	RECEPTS - CHAPEL	8
9	LIGHTING - FOYER	1	0.0	0.0	20	1	0		0	0	0.0	1	RECEPTS - ROSTRUM (SOUND PEDISTAL)	10
11	FANS - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	RECEPTS - CORR.	12
13	FANS - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	LIGHTING - FOYER	14
15	LIGHTING - ROSTRUM	1	0.0	0.0	20	1	0		0	0	0.0	1	RECEPT - RELIEF SOCIETY	16
17	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	LIGHTING - LOFT SPACE	18
19	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	SPARE	20
21	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	SPARE	22
23	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	SPARE	24
						0.0	0.0	0.0	0.0	0.0	0.0	0	TOTAL VA	
						0.0	0.0	0.0	0.0	0.0	0.0	0	AMPS	

PANEL: A (REWORKED)														
PROJECT: KAHILI HVAC REFURBISHMENT														
VOLTAGE: 208 / 120 V 1 PH 3 WIRE AMPERE RATING: 225A WITH M.L.O. MOUNTING: FLUSH														
BASIS OF DESIGN PANEL TYPE: UNKNOWN NEMA ENCLOSURE TYPE: 1 PANEL AIC RATING: 42000														
REMARKS: NEW 22KA RATED BREAKERS TO BE INSTALLED TO PROTECT FROM FAULT CURRENT SHOWN ON SINGLE LINE IF EXISTING BREAKERS ARE INSUFFICIENT.														
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	A	LOAD (VA)	C	AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT
1	RECEPTS - CHAPEL, FOYER, 1 & 2	1	0.0	0.0	20	1	0		50	2	0.0	1	SPARE	2
3	LIGHTING - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	SPARE	4
5	LIGHTING - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	LIGHTING - CHAPEL SPOTS	6
7	LIGHTING - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	RECEPTS - CHAPEL	8
9	LIGHTING - FOYER	1	0.0	0.0	20	1	0		0	0	0.0	1	RECEPTS - ROSTRUM (SOUND PEDISTAL)	10
11	FANS - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	RECEPTS - CORR.	12
13	FANS - CHAPEL	1	0.0	0.0	20	1	0		0	0	0.0	1	LIGHTING - FOYER	14
15	LIGHTING - ROSTRUM	1	0.0	0.0	20	1	0		0	0	0.0	1	RECEPT - RELIEF SOCIETY	16
17	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	LIGHTING - LOFT SPACE	18
19	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	SPARE	20
21	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	SPARE	22
23	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	SPARE	24
						0.0	0.0	0.0	0.0	0.0	0.0	0	TOTAL VA	
						0.0	0.0	0.0	0.0	0.0	0.0	0	AMPS	

PANEL: AC1 (EXISTING)														
PROJECT: KAHILI HVAC REFURBISHMENT														
VOLTAGE: 208 / 120 V 3 PH 4 WIRE AMPERE RATING: 225A WITH 225A M.L.O. MOUNTING: SURFACE														
BASIS OF DESIGN PANEL TYPE: UNKNOWN NEMA ENCLOSURE TYPE: 3R PANEL AIC RATING: 10000 AIC														
REMARKS: VERIFY THAT BREAKER AIC RATINGS ARE HIGHER THAN FAULT CURRENT SHOWN ON SINGLE LINE. BREAKERS MAY NEED TO BE REPLACED.														
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	A	LOAD (VA)	C	AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT
1	ACCU #2	1	0.0	0.0	70	3	0		20	2	0.0	1	AHU #2	2
3	***	1	0.0	0.0	70	3	0		0	0	0.0	1	***	4
5	***	1	0.0	0.0	70	3	0		0	0	0.0	1	***	6
7	ACCU #1	1	0.0	0.0	70	3	0		0	0	0.0	1	***	8
9	***	1	0.0	0.0	70	3	0		0	0	0.0	1	ACCU #3	10
11	***	1	0.0	0.0	70	3	0		0	0	0.0	1	***	12
13	AC UNIT	1	0.0	0.0	30	2	0		30	2	0.0	1	AC UNIT S.E	14
15	***	1	0.0	0.0	30	2	0		0	0	0.0	1	***	16
17	AC UNIT	1	0.0	0.0	30	2	0		0	0	0.0	1	SPARE	18
19	***	1	0.0	0.0	30	2	0		0	0	0.0	1	SPARE	20
21	AC UNIT #2	1	0.0	0.0	20	2	0		0	0	0.0	1	IRRIGATION CONTROLLER	22
23	***	1	0.0	0.0	20	2	0		0	0	0.0	1	AC 120V	24
25	AC UNIT #3	1	0.0	0.0	20	2	0		0	0	0.0	1	SPARE	26
27	***	1	0.0	0.0	20	2	0		0	0	0.0	1	SPACE	28
29	SPACE	1	0.0	0.0	20	2	0		0	0	0.0	1	SPACE	30
						0.0	0.0	0.0	0.0	0.0	0.0	0	TOTAL VA	
						0.0	0.0	0.0	0.0	0.0	0.0	0	AMPS	

PANEL: AC1 (REWORKED)															
PROJECT: KAHILI HVAC REFURBISHMENT															
VOLTAGE: 208 / 120 V 3 PH 4 WIRE AMPERE RATING: 225A WITH 225A M.L.O. MOUNTING: SURFACE															
BASIS OF DESIGN PANEL TYPE: UNKNOWN NEMA ENCLOSURE TYPE: 3R PANEL AIC RATING: 22000															
REMARKS: NEW 22KA RATED BREAKERS TO BE INSTALLED TO PROTECT FROM FAULT CURRENT SHOWN ON SINGLE LINE IF EXISTING BREAKERS ARE INSUFFICIENT.															
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	A	LOAD (VA)	C	AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT	
1	NEW CU-1	1	3746.8	31.2	50	3	3746.772		20	2	0.0	0	1	2	
3	***	1	3746.8	31.2	50	3	3746.772		20	2	0.0	0	1	4	
5	***	1	3746.8	31.2	50	3	3746.772		20	2	0.0	0	1	6	
7	NEW CU-2	1	3746.8	31.2	50	3	3746.772		20	2	0.0	0	1	8	
9	***	1	3746.8	31.2	50	3	3746.772		20	2	0.0	0	1	ACCU #3	10
11	***	1	3746.8	31.2	50	3	3746.772		20	2	0.0	0	1	***	12
13	AC UNIT	1	0.0	0.0	30	2	0		30	2	0.0	1	AC UNIT S.E	14	
15	***	1	0.0	0.0	30	2	0		0	0	0.0	1	***	16	
17	AC UNIT	1	0.0	0.0	20	2	0		0	0	0.0	1	SPARE	18	
19	***	1	0.0	0.0	20	2	0		0	0	0.0	1	SPARE	20	
21	AC UNIT #2	1	0.0	0.0	20	2	0		0	0	0.0	1	IRRIGATION CONTROLLER	22	
23	***	1	0.0	0.0	20	2	0		0	0	0.0	1	AC 120V	24	
25	AC UNIT #3	1	0.0	0.0	20	2	0		100	1	53.6	6427	1	NEW CU-3	26
27	***	1	0.0	0.0	20	2	0		6427	156	53.6	6427	1	***	28
29	SPACE	1	0.0	0.0	20	2	0		6427	156	53.6	6427	1	***	30
						19920.7	19920.7	19920.7	VA						
						116.0	116.0	116.0	AMPS						
						41762	TOTAL VA								

PANEL: AC2 (EXISTING)														
PROJECT: KAHILI HVAC REFURBISHMENT														
VOLTAGE: 208 / 120 V 3 PH 4 WIRE AMPERE RATING: 225A WITH 225A M.L.O. MOUNTING: FLUSH														
BASIS OF DESIGN PANEL TYPE: UNKNOWN NEMA ENCLOSURE TYPE: 1 PANEL AIC RATING: 10000 AIC														
REMARKS: 1. GFCI FOR PERSONNEL PROTECTION (5mA) 5. EXISTING BREAKER 2. GFCI FOR EQUIPMENT PROTECTION (30mA) 3. AFCI COMBINATION STYLE BREAKER 4. RED HANDLE, LOCKABLE BREAKER														
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	A	LOAD (VA)	C	AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT
1	MINI SPLIT - STAKE/PRESIDENT	1	0.0	0.0	30	2	0		20	1	0.0	1	RECEPT - ROOF OUTLET	2
3	***	1	0.0	0.0	30	2	0		0	0	0.0	1	A/C DUCT/SMOKES	4
5	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	ACU-1	6
7	SPARE	1	0.0	0.0	20	1	0		0	0	0.0	1	***	8
9	MINI SPLIT - HIGH COUNCIL - MTSUBISHI	1	0.0	0.0	20	1	0		0	0	0.0	1	ACU-2	10
11	***	1	0.0	0.0	20	1	0		0	0	0.0	1	***	12
13	SPARE	1	0.0	0.0	30	2	0		0	0	0.0	1	CU - RM 22	14
15	***	1	0.0	0.0	30	2	0		0	0	0.0	1	***	16
17	INDOOR FAN RM 23	1	0.0	0.0	20	1	0		0	0	0.0	1	MTSUBISHI FAN - HIGH COUNCIL	18
19	A/C CONDENSER RM 23	1	0.0	0.0	20	1	0		0	0	0.0	1	A/C FOYER	20
21	***	1	0.0	0.0	20	1	0		0	0	0.0	1	***	22
23	A/C CONDENSER RM 20	1	0.0	0.0	30	2	0		0	0	0.0	1	UNIT FAN - RM 20	24
25	***	1	0.0	0.0	30	2	0		0	0	0.0	1	SPARE	26
27	SPACE	1	0.0	0.0	20	1	0		0	0	0.0	1	SPARE	28
29	SPACE	1	0.0	0.0	20	1	0		0	0	0.0	1	SPACE	30
						0.0	0.0	0.0	0.0	0.0	0.0	0	TOTAL VA	
						0.0	0.0	0.0	0.0	0.0	0.0	0	AMPS	

PANEL: AC2 (REWORKED)														
PROJECT: KAHILI HVAC REFURBISHMENT														
VOLTAGE: 208 / 120 V 3 PH 4 WIRE AMPERE RATING: 225A WITH 225A M.L.O. MOUNTING: FLUSH														
BASIS OF DESIGN PANEL TYPE: UNKNOWN NEMA ENCLOSURE TYPE: 1 PANEL AIC RATING: 10000 AIC														
REMARKS: 1. EXISTING BREAKER 2. NEW BREAKER														
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	A	LOAD (VA)	C	AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT
1	NEW CU-4	2	2396.2	23.0	50	2	2396.16		20	1	0.0	1	RECEPT - ROOF OUTLET	2
3	***	1	2396.2	23.0	50	2	2396.16		20	1	0.0	1	A/C DUCT/SMOKES	4
5	SPARE	1	0.0	0.0	20	1	0							